

Date: Friday, 17/08/2007 11:21:08 AM  
 User: Lida Lacelle

## Process Sheet

<b>Customer</b>	: CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b>	: COVER PLATE ASSEMBLY, RH
<b>Job Number</b>	: 34082		
<b>Estimate Number</b>	: 12302		
<b>P.O. Number</b>	: <i>N/A</i>	<b>Part Number</b>	: D3467048
<b>This Issue</b>	: 17/08/2007	<b>S.O. No.</b>	: <i>N/A</i>
<b>Prsht Rev.</b>	: <i>NC</i>	<b>Drawing Number</b>	: D3467 REV B
<b>First Issue</b>	: <i>N/A</i>	<b>Project Number</b>	: N/A
<b>Previous Run</b>	: 28555	<b>Drawing Revision</b>	: B
	<b>Type</b>	<b>Material</b>	: <i>N/A</i>
	: SMALL /MED FAB	<b>Due Date</b>	: 11/09/2007
<b>Written By</b>	: <i>[Signature]</i>	<b>Qty:</b>	<i>7</i> Um: Each
<b>Checked &amp; Approved By</b>	: <i>[Signature]</i>		
<b>Comment</b>	: Est Rev: A New Issue 06-04-24 EC Est Rev: B As per Rev B 06-05-24 JLM		

## Additional Product

Job Number:



<b>Seq. #:</b>	<b>Machine Or Operation:</b>	<b>Description :</b>
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1.0	D34672	COVER PLATE RH
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**Comment:** Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
1	D3467-2	Shourd Plate	<i>26110 x 2mx, B34097 x 2mx MF.</i>

2.0	D34677	SEAL STRIP
-----	--------	------------



**Comment:** Qty.: 1.0000 Each(s)/Unit Total : 4.0000 Each(s)

Pick:

Qty	Part Number	Description	Batch
1	D3467-7	Doubler	<i>B34101 (7) MF 07-12-03</i>

3.0	SMALL FAB 1	SMALL & MEDIUM FAB RESOURCE 1
-----	-------------	-------------------------------



**Comment:** SMALL & MEDIUM FAB RESOURCE 1

1-Assemble as per Dwg D3467

2-Spot Weld as per Dwg D3467 and Dart QSI 004

3-Identify as D3467-048

4.0	QC11	VISUAL INSPECTION OF SPOT WELDING
-----	------	-----------------------------------



**Comment:** VISUAL INSPECTION OF SPOT WELDING

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: RD Date: 01/21/04  
 QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Friday, 17/08/2007 11:21:08 AM  
User: Linda Lacelle

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: COVER PLATE ASSEMBLY, RH

Job Number: 34082

Part Number: D3467048

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

SB 07/12/03

(7)

6.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: *CA*

SB 07/12/03

(7)

7.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

20x/12/04

(7)

Job Completion



*W 07/12/04*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

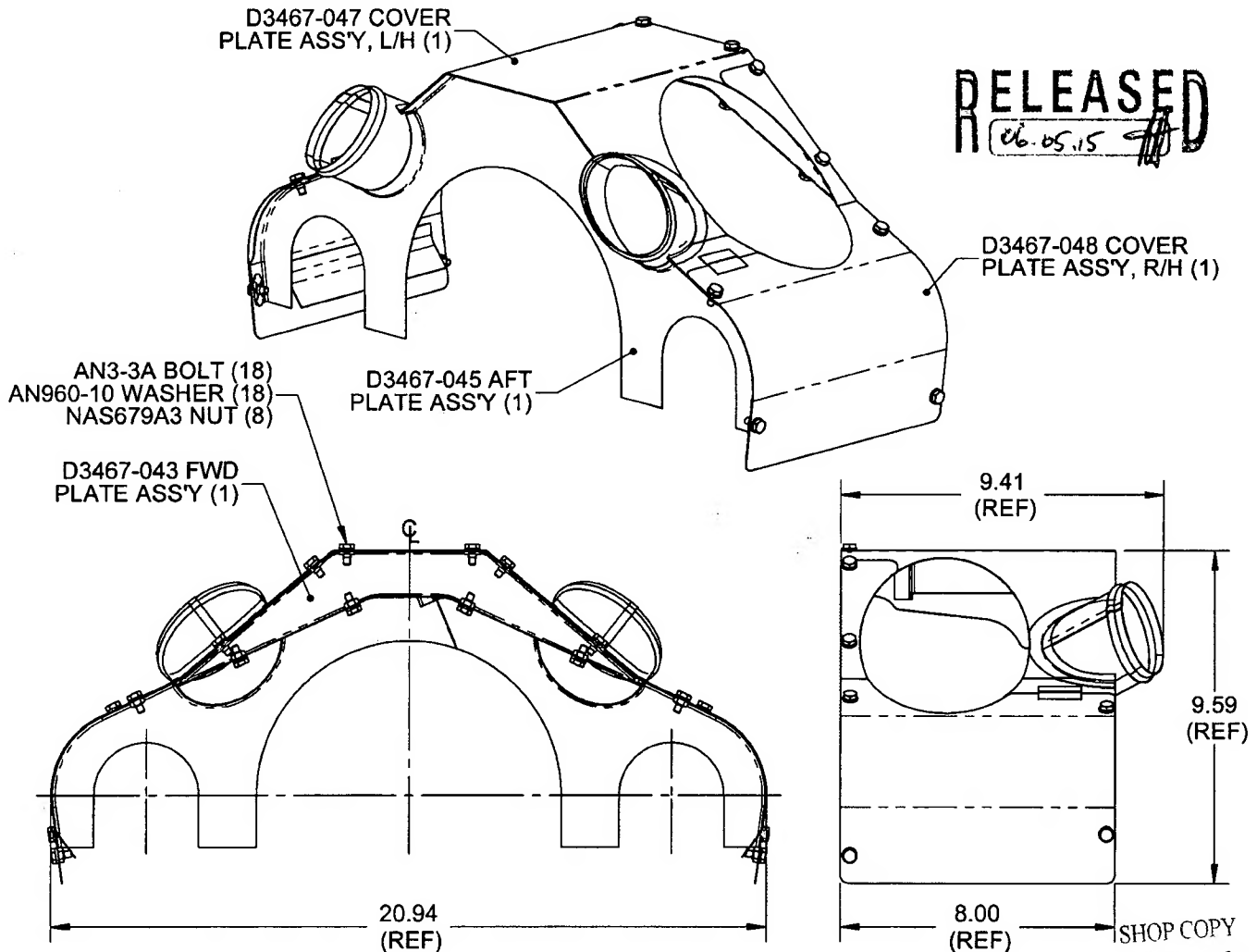
QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



DESIGN B	DRAWN BY B	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. D3467	REV. B SHEET 1 OF 15
DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:5
A	05.12.07	NEW ISSUE	
B	06.05.15	Ø0.250 & Ø0.203 WERE Ø0.194 ; UPDATED D3467-9F/-15F	



### D3467-041 SHROUD ASSEMBLY

#### NOTES:

- 1) IDENTIFY WITH DART P/N D3467-041 USING FINE POINT PERMANENT INK MARKER
- 2) ASSEMBLY IS SYMMETRICAL ABOUT CENTERLINE
- 3) FINISH: NONE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -041	P/N	DESCRIPTION
X	D3467-041	SHROUD ASSEMBLY
1	D3467-043	FWD PLATE ASSEMBLY
1	D3467-045	AFT PLATE ASSEMBLY
1	D3467-047	COVER PLATE ASSEMBLY, L/H
1	D3467-048	COVER PLATE ASSEMBLY, R/H
18	AN3-3A	BOLT
18	AN960-10	WASHER
8	NAS679A3	NUT

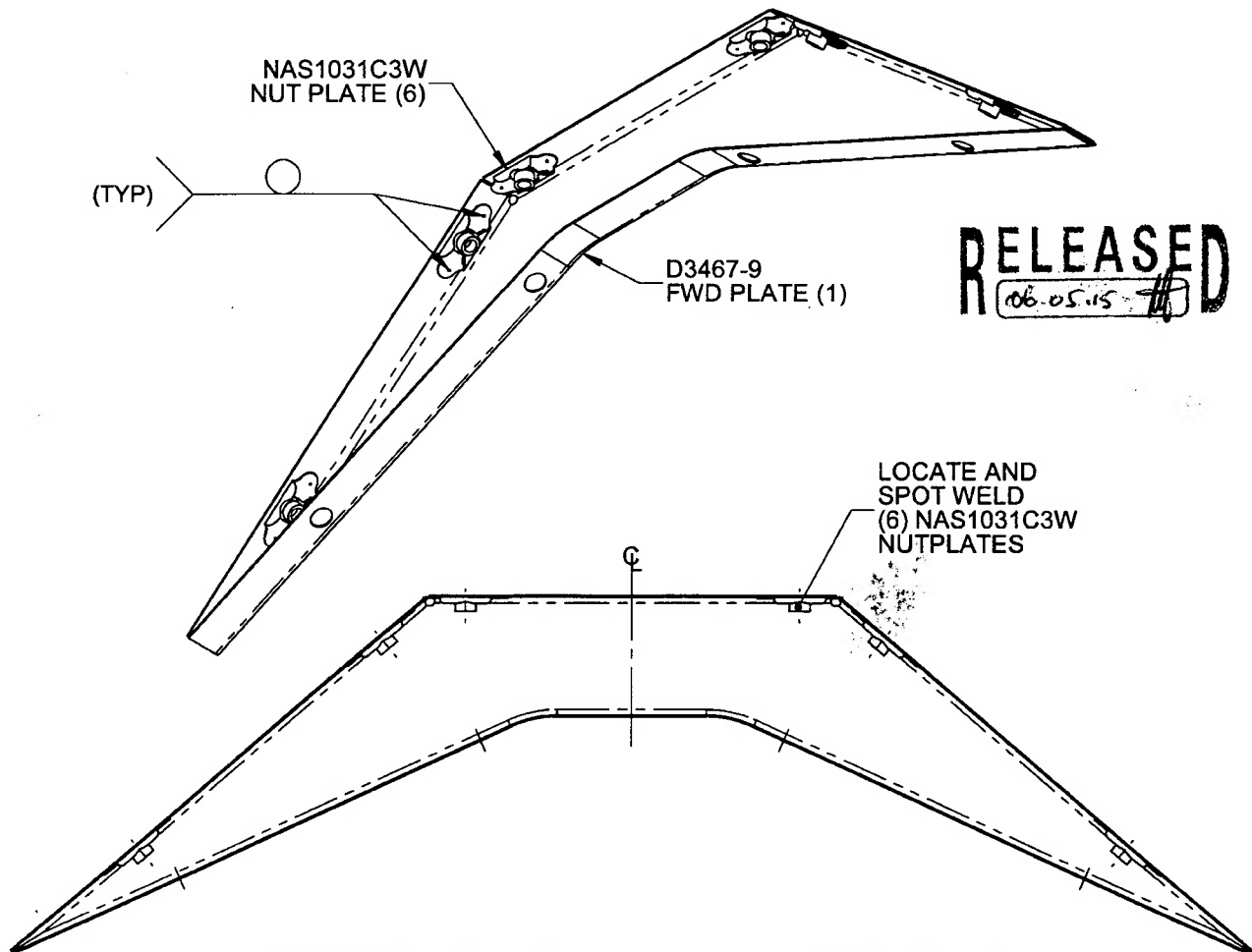
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2



QTY -043	P/N	DESCRIPTION
X	D3467-043	FWD PLATE ASSEMBLY
1	D3467-9	FWD PLATE
6	NAS1031C3W	NUT PLATE

**D3467-043 FWD PLATE ASSEMBLY****NOTES:**

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) ASSEMBLY IS SYMETRICAL ABOUT CENTER LINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

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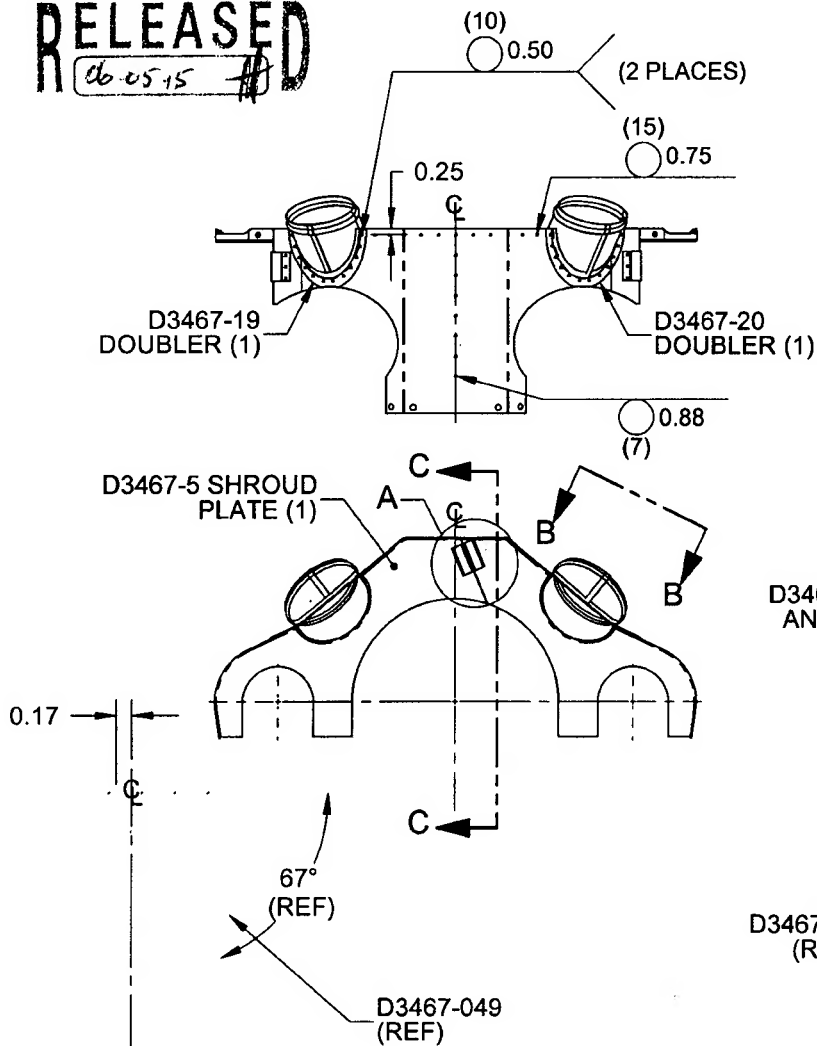
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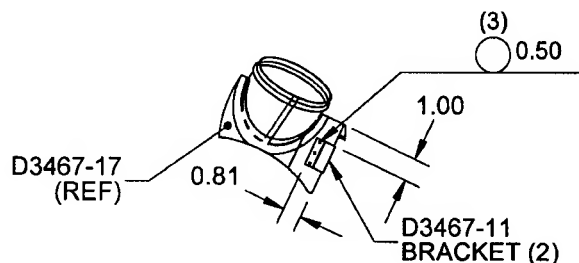
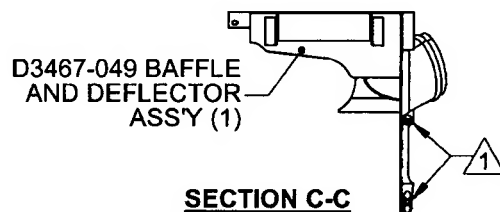
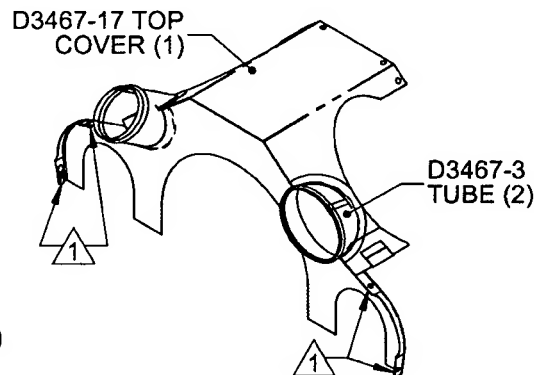


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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:8

**RELEASED**  
06-05-15



**DETAIL A**  
SCALE 1:2



**VIEW B-B: WELDING D3467-11**  
D3467-047 NOT SHOWN FOR CLARITY  
(2 PLACES)

### **D3467-045 AFT PLATE ASSEMBLY**

#### **NOTES:**

- 1) LOCATE AND SPOT WELD NAS1031C3W NUTPLATE (4) TO D3467-5 PRIOR WELDING OTHER PARTS TO D3467-5
- 2) SPOT WELD PER DART QSI 004
- 3) FINISH: NONE
- 4) ASSEMBLY IS SYMMETRICAL ABOUT CENTERLINE
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES
- 7) BREAK ALL SHARP EDGES 0.005 TO 0.010

QTY -045	P/N	DESCRIPTION
X	D3467-045	AFT PLATE ASSEMBLY
1	D3467-049	BAFFLE AND DEFLECTOR ASSEMBLY
2	D3467-3	TUBE
1	D3467-5	SHROUD PLATE
2	D3467-11	BRACKET
1	D3467-17	TOP COVER
1	D3467-19	DOUBLER
1	D3467-20	DOUBLER
4	NAS1031C3W	NUT PLATE

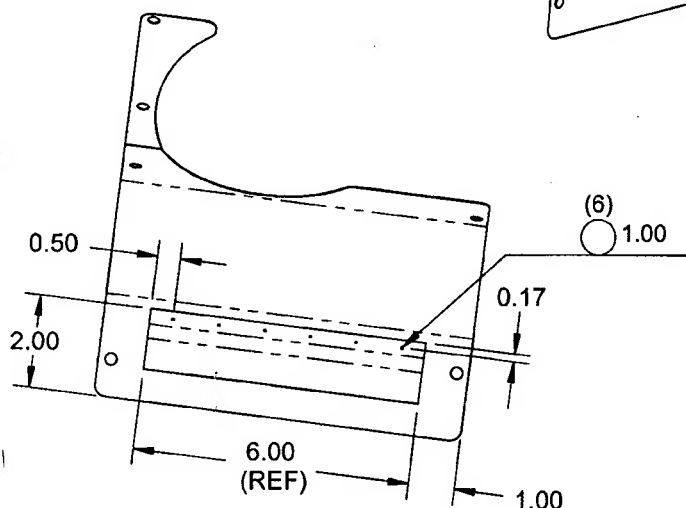
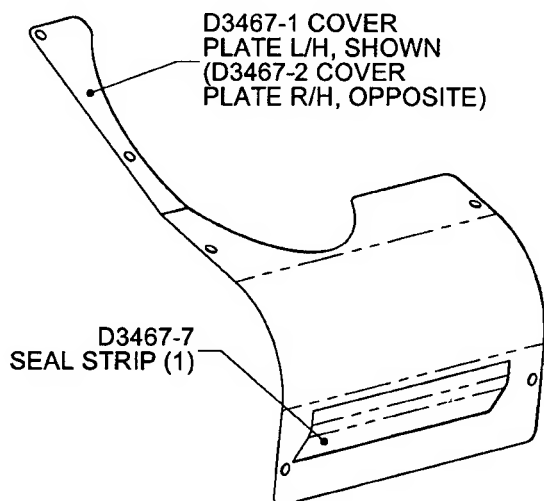
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:4

**RELEASED**  
06.05.15

**D3467-047 COVER PLATE ASS'Y L/H, SHOWN**  
**D3467-048 COVER PLATE ASS'Y R/H, OPPOSITE**

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34082

**NOTES:**

- 1) WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018  
UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO  
0.010

QTY -047	QTY -048	P/N	DESCRIPTION
X		D3467-047	COVER PLATE ASSEMBLY, L/H
	X	D3467-048	COVER PLATE ASSEMBLY, R/H
1		D3467-1	COVER PLATE, L/H
	1	D3467-2	COVER PLATE, R/H
1	1	D3467-7	SEAL STRIP

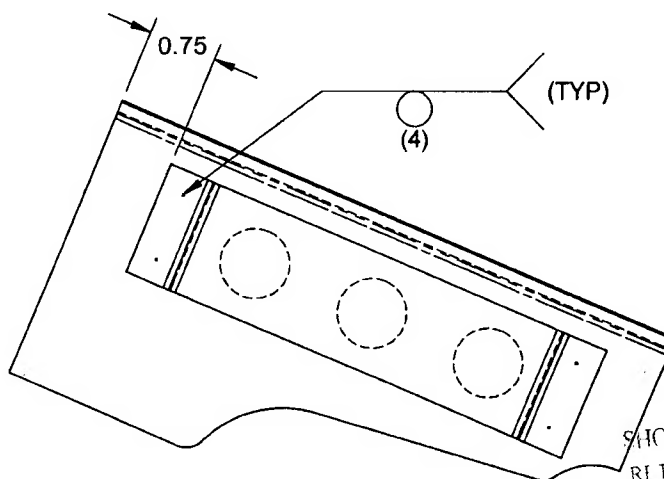
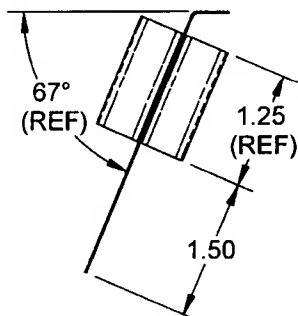
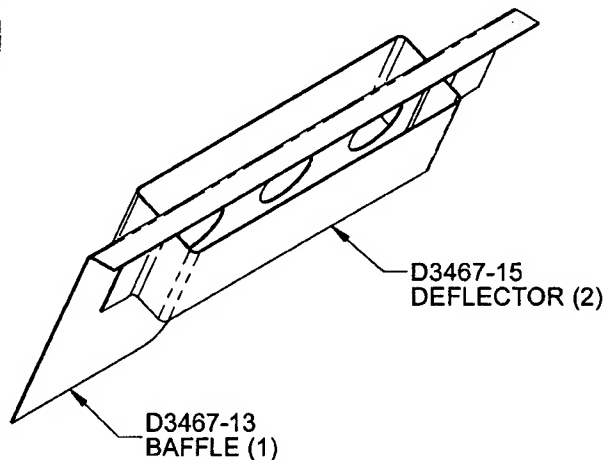
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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2

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06.05.15



### D3467-049 BAFFLE & DEFLECTOR ASSEMBLY

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#### NOTES:

- 1) SPOT WELD PER DART QSI 004
- 2) FINISH: NONE
- 3) TOLERANCES ARE PER DART QSI 018  
UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES
- 5) BREAK ALL SHARP EDGES 0.005 TO 0.010

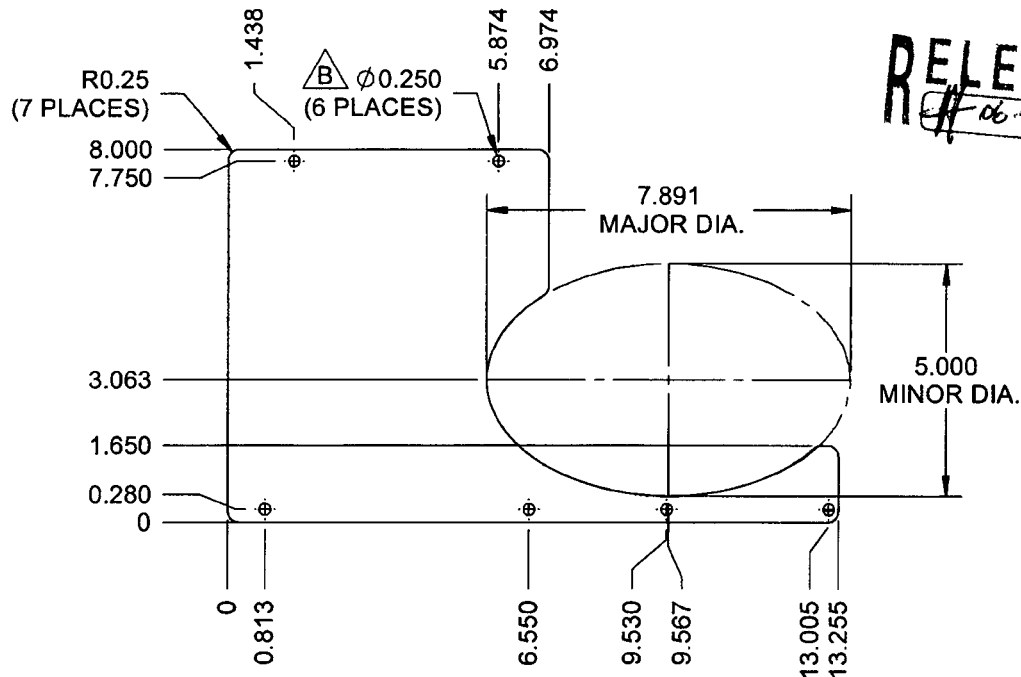
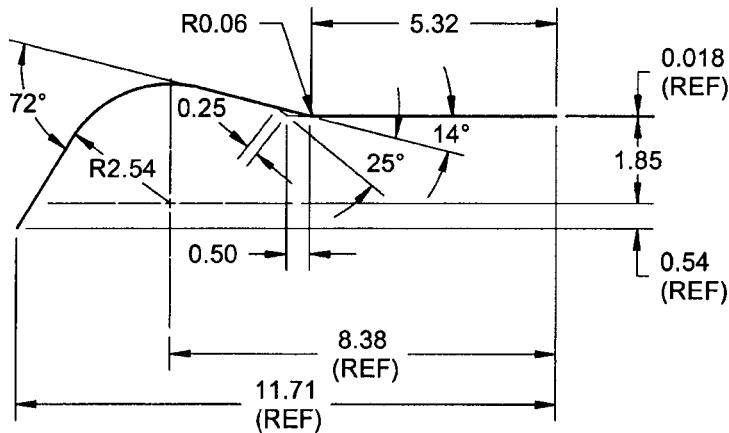
QTY -049	P/N	DESCRIPTION
	D3467-049	BAFFLE & DEFLECTOR ASSEMBLY
1	D3467-13	BAFFLE
2	D3467-15	DEFLECTOR

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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:4

**D3467-1F COVER PLATE FLAT PATTERN****D3467-1 L/H COVER PLATE**  
**D3467-2 R/H COVER PLATE (OPPOSITE)****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

**D3467-1 L/H COVER PLATE ISOMETRIC VIEW.****D3467-2 R/H COVER PLATE (OPPOSITE)**

SCALE 1:8

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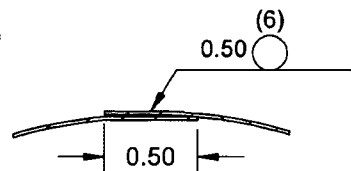
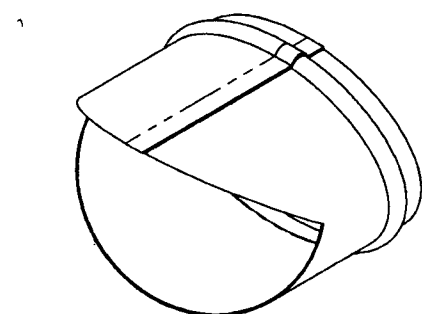
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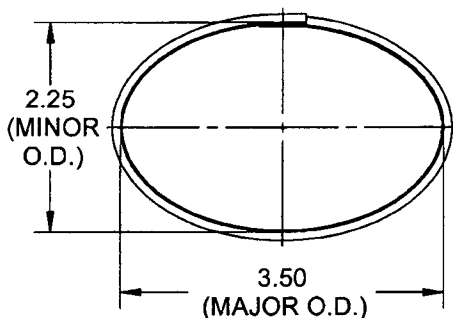


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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2

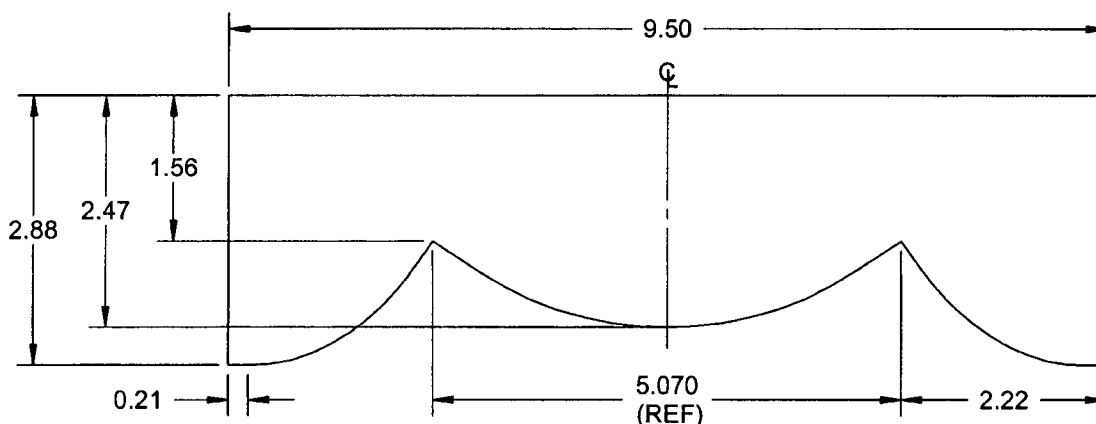
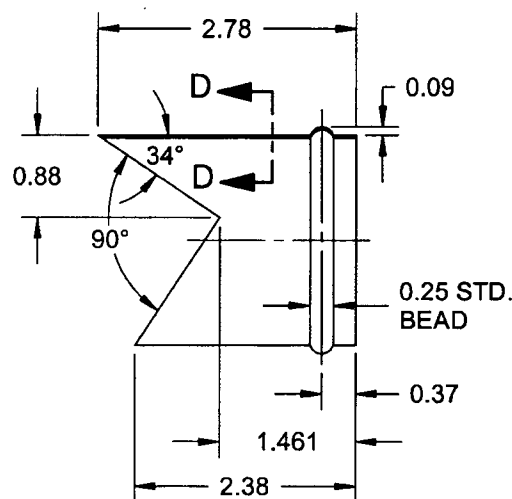
**RELEASED**  
*06.05.15*



**SECTION D-D**  
SCALE 1:1



**D3467-3 TUBE DETAIL**



**D3467-3F TUBE FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) FLAT PATTERN IS SYMMETRICAL ABOUT CENTERLINE
- 3) SPOT WELD PER DART QSI 004
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

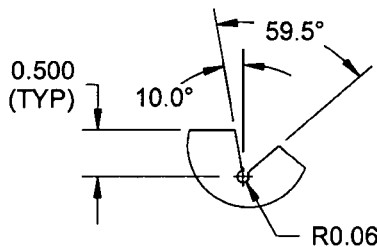
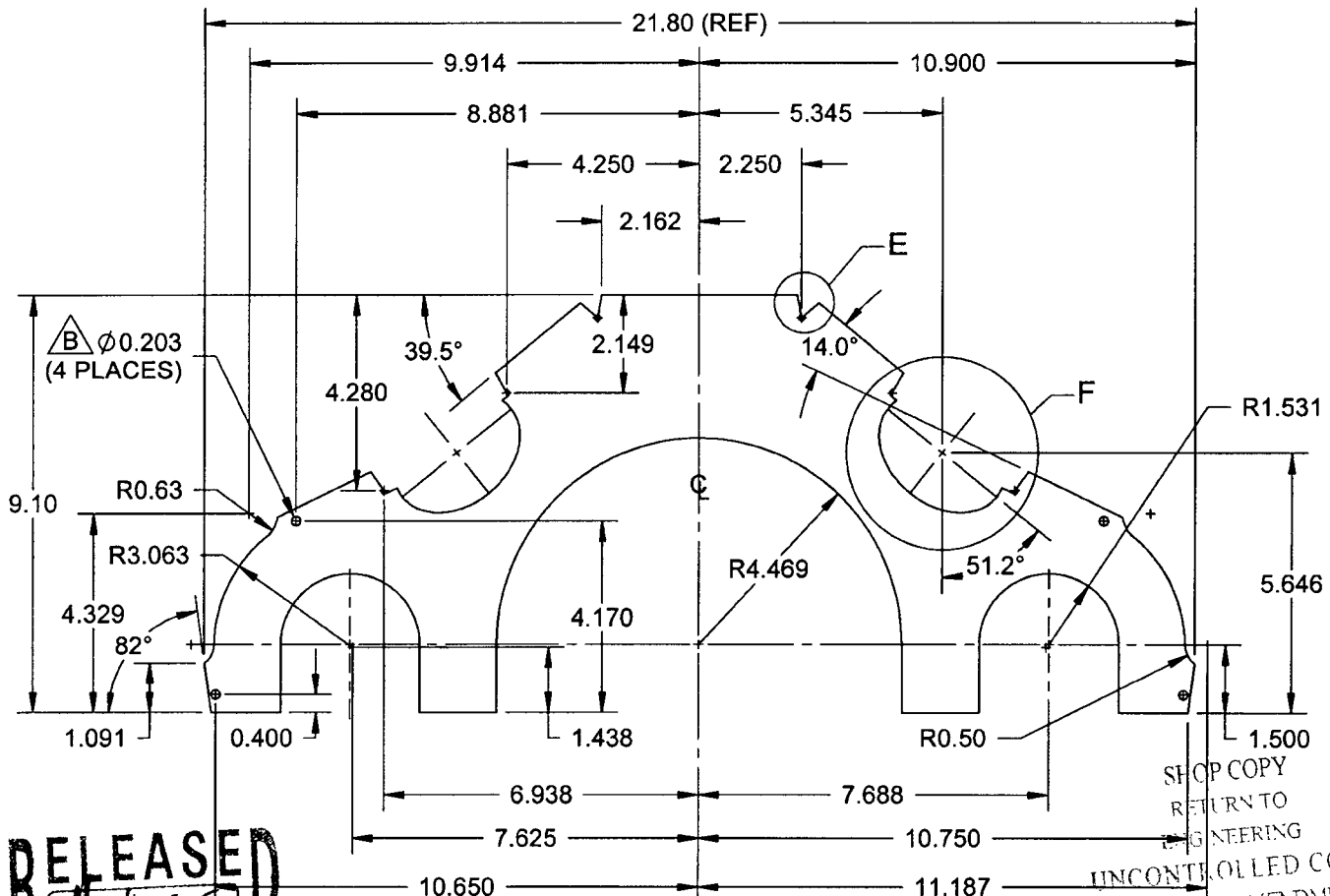
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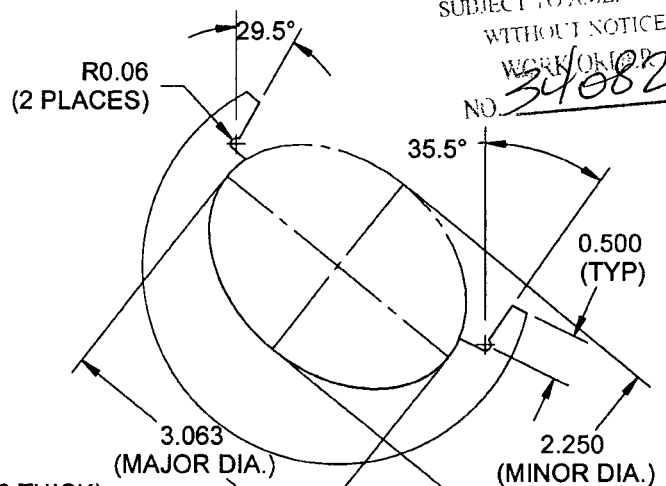
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:8



**DETAIL E**  
SCALE 1:2



**DETAIL F**  
SCALE 1:2

### **D3467-5F AFT PLATE FLAT PATTERN**

#### **NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA)
- 2) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

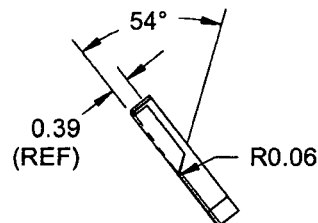
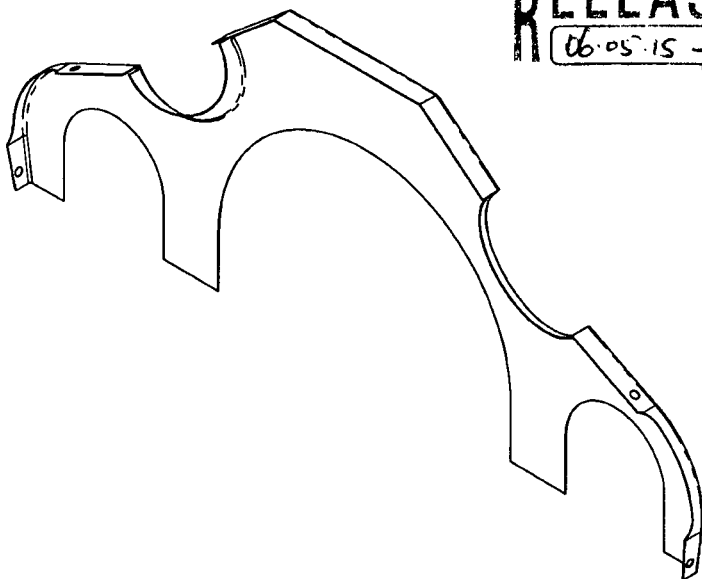
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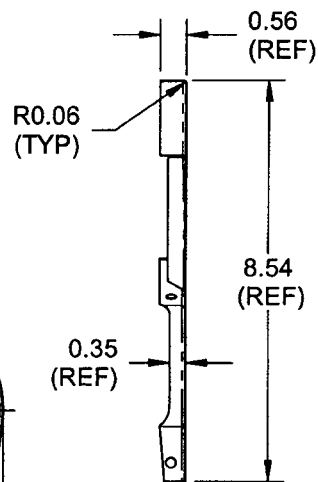
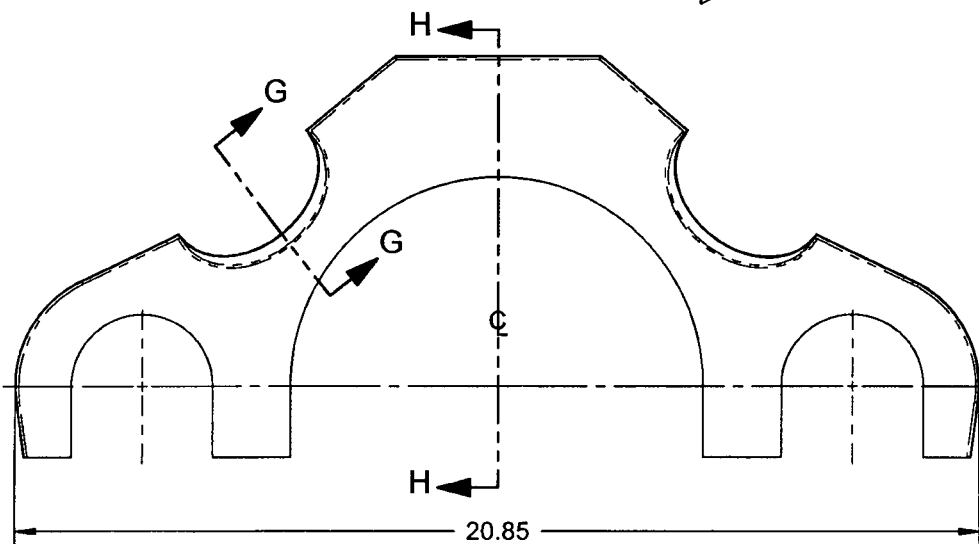


DESIGN B	DRAWN BY B	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED H	APPROVED H	DRAWING NO. D3467	REV. B SHEET 9 OF 15
DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:4

RELEASED  
06.05.15 H



**SECTION G-G**



**SECTION H-H**

**D3467-5 AFT PLATE BENDING DETAIL**

**NOTES:**

- 1) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 2) ALL DIMENSIONS ARE IN INCHES
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.010

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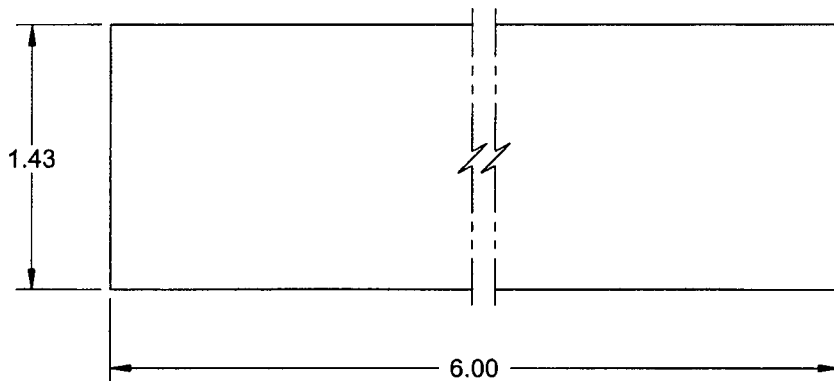
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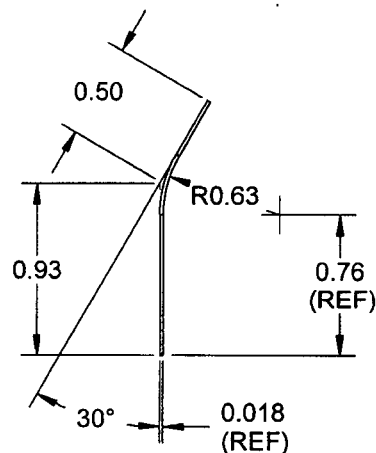


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CHECKED H	APPROVED H	DRAWING NO. <b>D3467</b>	REV. B SHEET 10 OF 15
DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:1

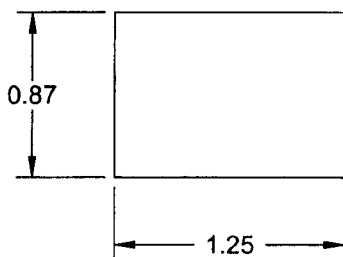
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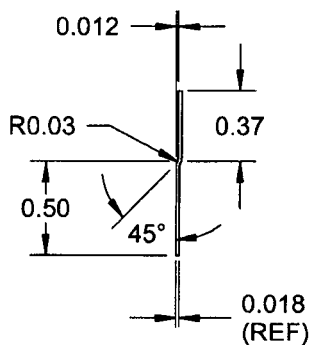
**D3467-7F SEAL STRIP**  
**FLAT PATTERN**



**D3467-7 SEAL STRIP**  
**BENDING DETAIL**



**D3467-11F BRACKET**  
**FLAT PATTERN**



**D3467-11 BRACKET**  
**JOGGLE DETAIL**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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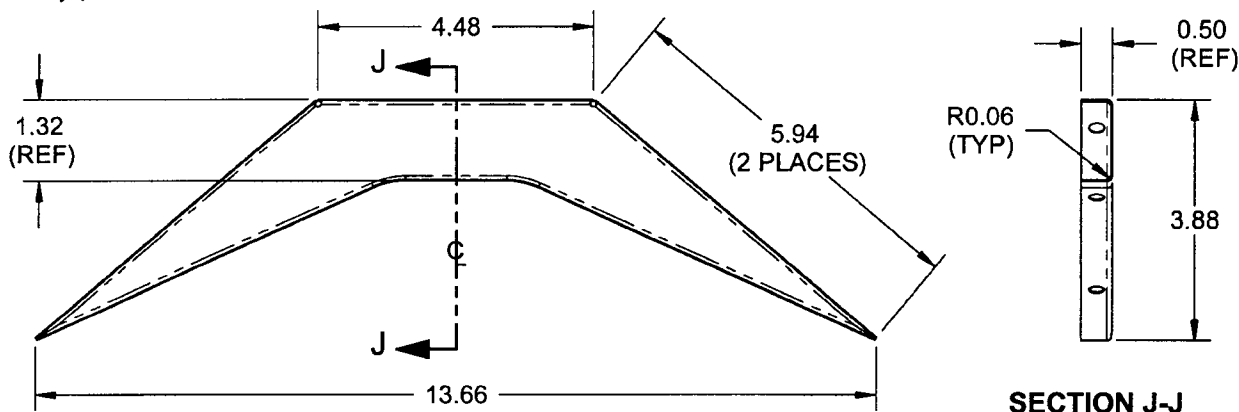
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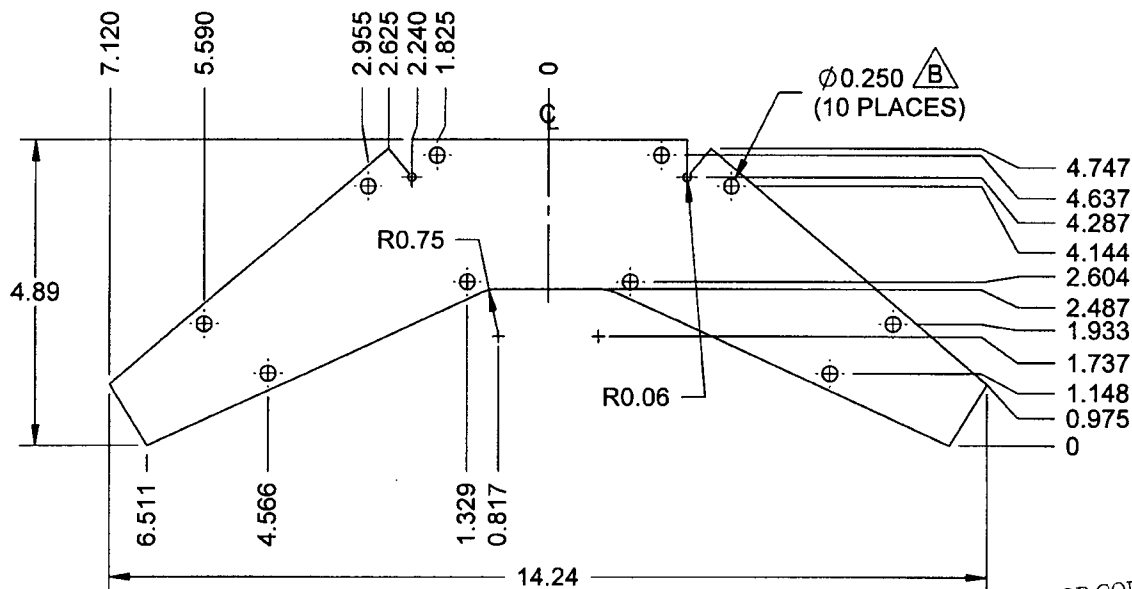


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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:3

**RELEASED**  
*[Signature]* 06.05.15



**D3467-9 FWD PLATE BENDING DETAIL**



**D3467-9F FWD PLATE FLAT PATTERN**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) PART IS SYMMETRICAL ABOUT CENTER LINE
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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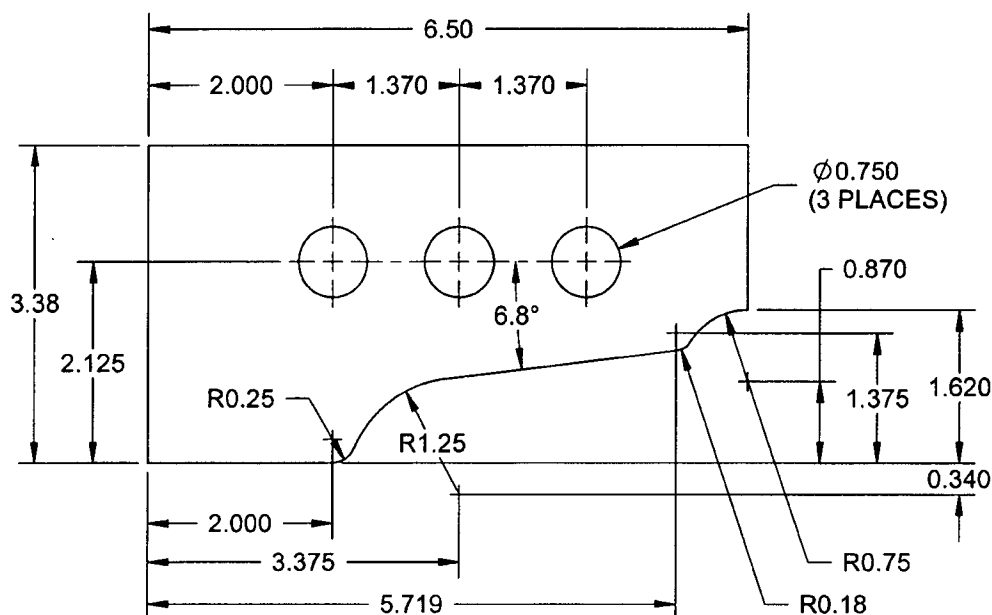
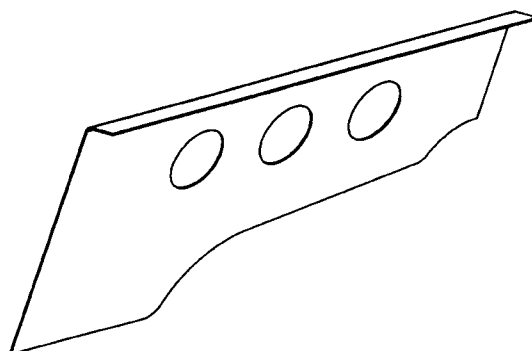
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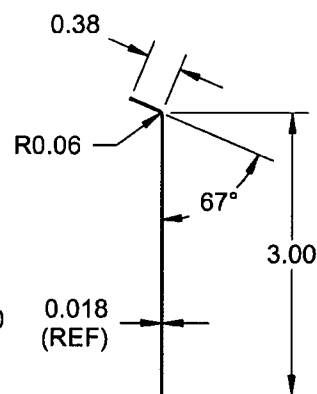


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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2

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*H 06.05.15*



**D3467-13F BAFFLE  
FLAT PATTERN**



**D3467-13 BAFFLE  
BEND DETAIL**

**NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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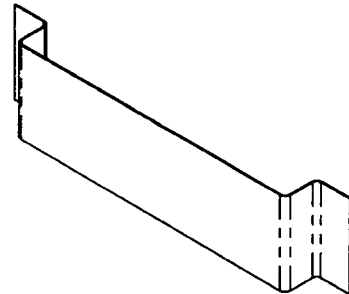
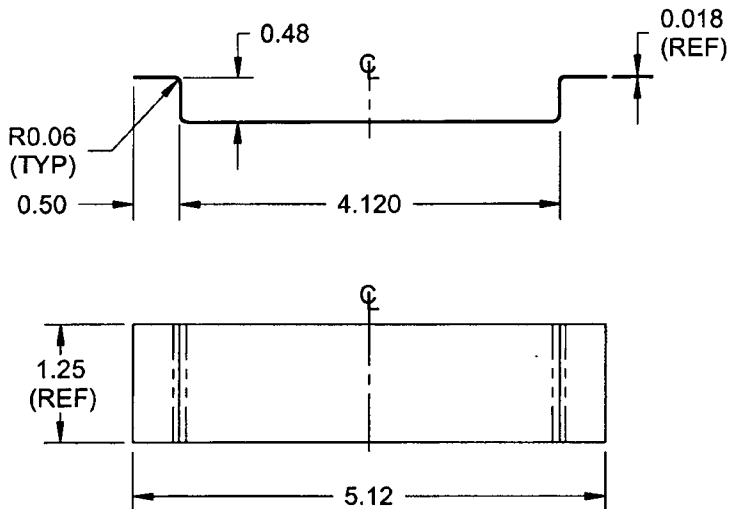
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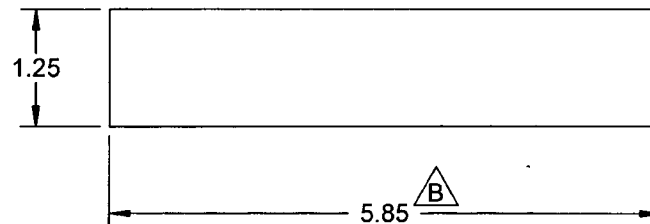


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DATE 06.05.15		TITLE SHROUD ASSEMBLY	SCALE 1:2

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*[Stamp]*



### D3467-15 DEFLECTOR BENDING DETAIL



### D3467-15F DEFLECTOR FLAT PATTERN

#### NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

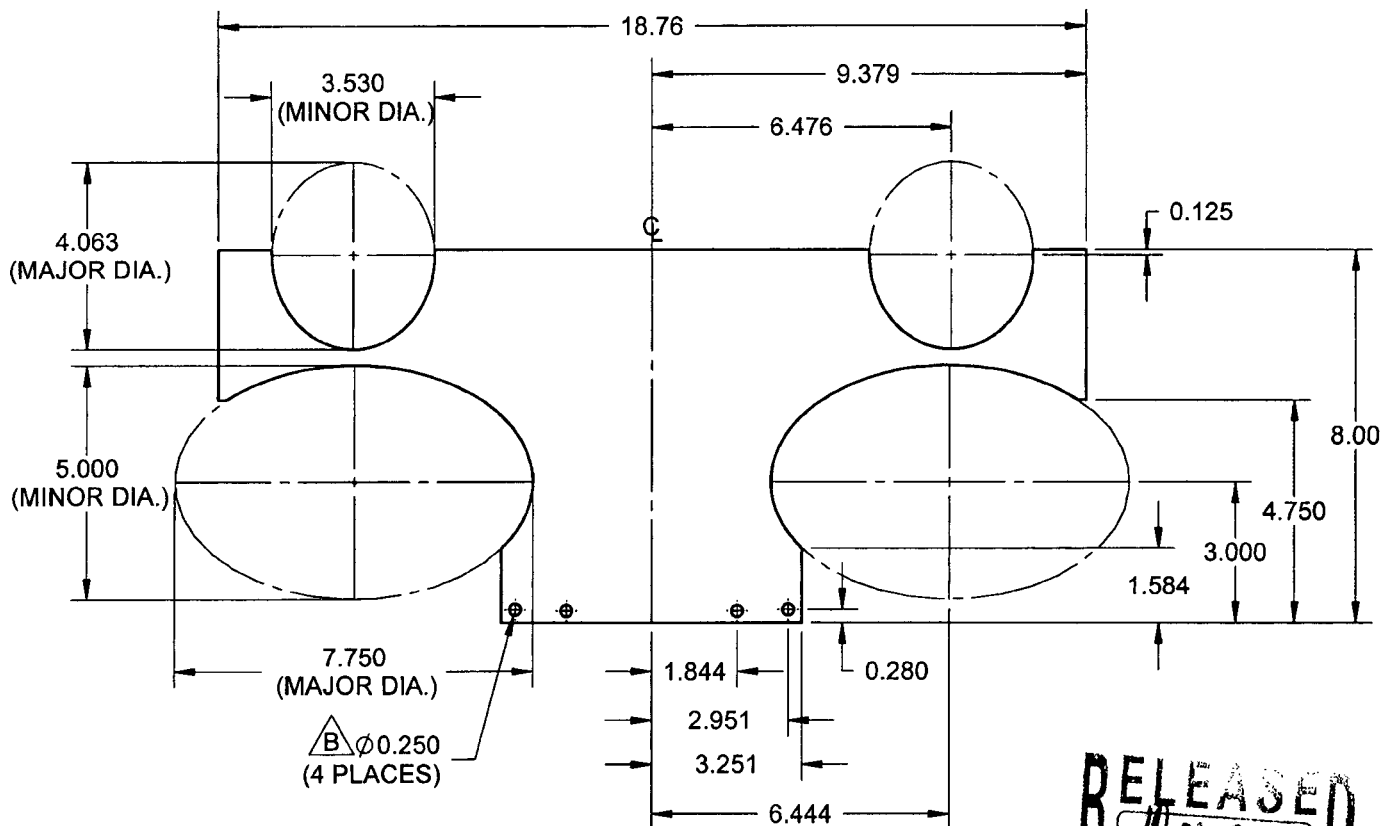
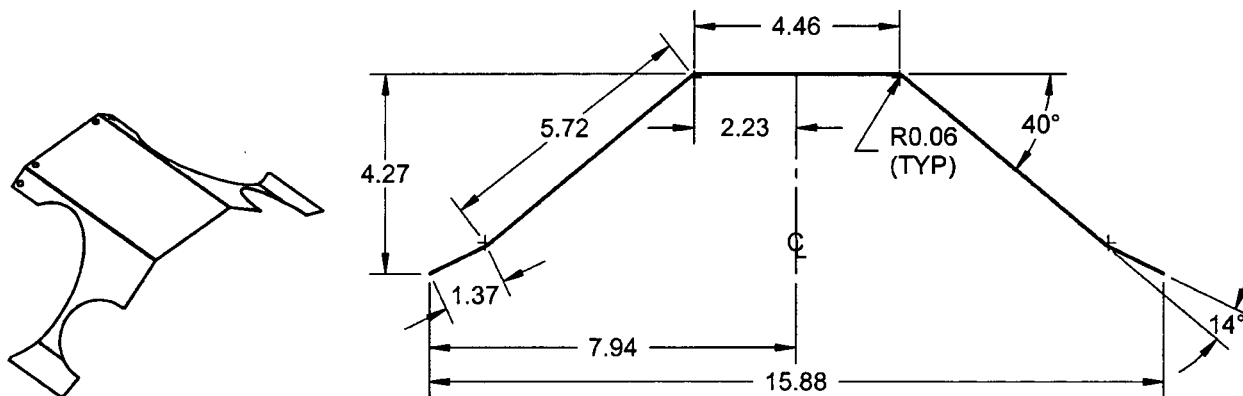
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:4

**D3467-17F TOP COVER FLAT PATTERN****D3467-17 TOP COVER BENDING DETAIL****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH  
26 GAUGE SS (0.018 THICK)  
(REF. DART SPEC. M304S26GA)
- 2) FINISH: NONE
- 3) PART IS SYMMETRICAL ABOUT CENTERLINE
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.005 TO 0.010

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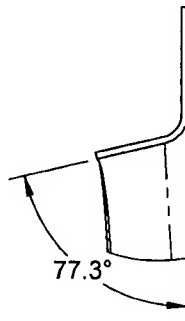
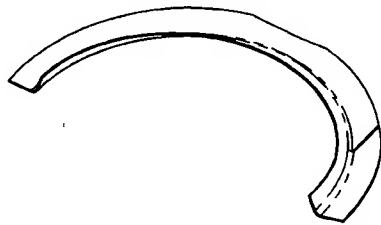
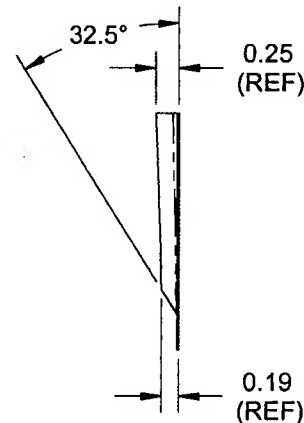
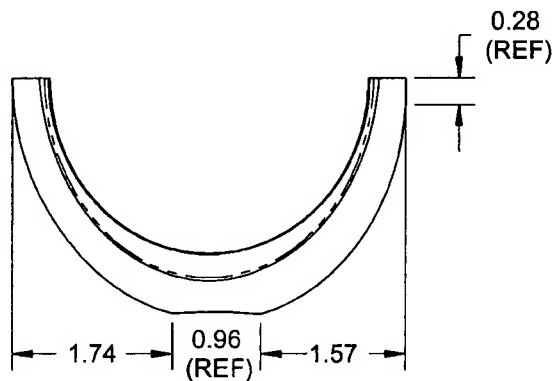
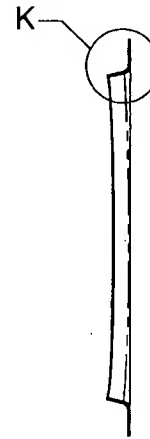
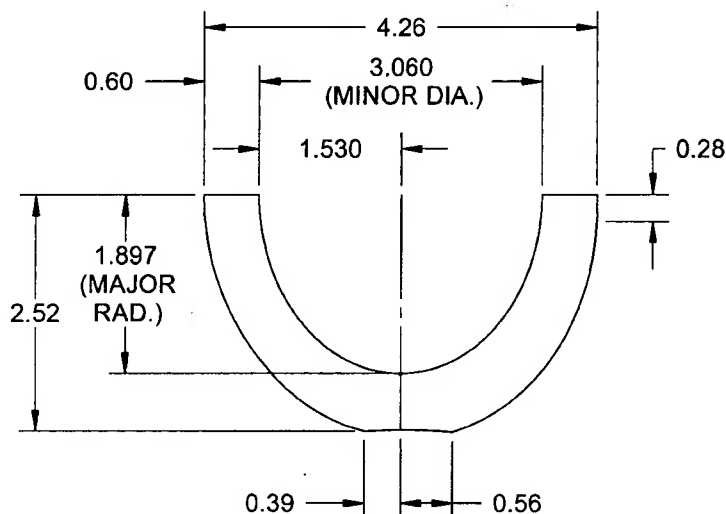
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DATE <b>06.05.15</b>		TITLE <b>SHROUD ASSEMBLY</b>	SCALE 1:2

**RELEASED**  
*[Signature]* 06.05.15**DETAILK**  
SCALE 1:2**D3467-19 DOUBLER, L/H SHOWN**  
**D3467-20 DOUBLER, R/H OPPOSITE**

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**D3467-19F FLAT PATTERN****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET PER MIL-S-5019 (ANNEALED) 2B FINISH 26 GAUGE SS (0.018 THICK) (REF. DART SPEC. M304S26GA)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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# SPOT WELD TEST RECORD

AMS-W-6858A

CLASS 'C'

TEST NO#: 44

EMPLOYEE: Melanie Fauten

PART NUMBER: D 3462 - 048

JOB NUMBER: B 34082

MATERIAL TYPE: 304L

MATERIAL THICKNESS: 018

GROUP SPECIFICATION

☐

Group 1: Aluminum & magnesium

☐

Group 2: Iron; nickel; cobalt

☒

Group 3: Titanium SS

## TEST RESULTS

	PASS	FAIL
VISUAL:	[ <input checked="" type="checkbox"/> ]	[ <input type="checkbox"/> ]
PENETRATION:	[ <input checked="" type="checkbox"/> ]	[ <input type="checkbox"/> ]
PULL STRENGTH:	[ <input checked="" type="checkbox"/> ]	[ <input type="checkbox"/> ]

PSI Reading: \_\_\_\_\_

Qualified in accordance with standard AMS-W-6858A and QSI 004 (ref: 4.3)

DATE OF TEST COUPON: 07/12/03

QUALIFIER: SB